Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/25/2018 10:35 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124399	-1	1.08	124415	1.09
Blue	F	SSC	125000	125334	0	2.47	126076	2.45
Blue	E	FITC	16596	16135	-3	3.12	349	22.01
Blue	D	PE	29392	28609	-3	2.24	622	16.35
Blue	B	PerCP-Cy5-5	38531	38676	0	4.27	1181	22.96
Blue	A	PE-Cy7	26351	26573	0	7.52	643	46.02
Red	C	APC	43035	42011	-3	2.75	1578	13.27
Red	A	APC-Cy7	25611	25545	-1	2.85	886	13.03
Violet	B	V450	8803	8541	-3	4.36	465	14.40
Violet	A	V500	32560	31784	-3	4.08	737	11.08

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20593	3.26	607	10	N/A	N/A	Pass
Blue	F	SSC	56695	1.90	575	20	N/A	N/A	Pass
Blue	E	FITC	62	68.71	559	9	0.0157	122	Pass
Blue	D	PE	128	56.48	559	10	0.1339	288	Pass
Blue	B	PerCP-Cy5-5	224	54.46	664	13	0.0071	35	Pass
Blue	A	PE-Cy7	128	111.20	720	15	0.0087	22	Pass
Red	C	APC	368	28.38	603	6	0.0204	160	Pass
Red	A	APC-Cy7	217	28.16	578	7	0.0045	751	Pass
Violet	B	V450	72	67.39	481	6	0.0499	2550	Pass
Violet	A	V500	110	35.58	491	7	0.0201	743	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.26	-32.09	1.10
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.52
Red	16.33	13.60 - 20.40	N/A	N/A	29.56	29.72	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9674

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments